Tuesday, 2/26/2008 8:02:27 AM Date Kim Johnston User, Customer Job Number : 37638 : 12099 Estimate Number

: 2/26/2008

: NC

: 11

: 35380

D32335

Comment: Qtv.:

P.O. Number

This Issue

Prsht Rev.

First Issue

Written By

Comment

Job Number:

Seq. #:

1.0

20

Previous Run

Checked & Approved By

Additional Product

Dart Aerospace Lig. **Process Sheet** : WHEEL ASSEMBLY : CU-DAR001 Dart Helicopters Services **Drawing Name** : D3233041 Part Number D3233 REV B **Drawing Number** S.O. No. : : N/A Project Number : B : LARGE FAB ASSY Drawing Revision Type Material : 3/17/2008 Qty: 12 Um: Each Due Date 05.07.18 D3233-5 was D3332-5; Qty changed by half KJ/JLM Description: Machine Or Operation: Hub Sleeve 12.0000 Each(s) Total: 1.0000 Each(s)/Unit Description Batch **Qty Part Number** Hub Sleeve 1 D3233-5 Total: 12.0000 Each(s) Description Batch Shaft Sleeve Tire & Rim Assembly



Hub Sleeve Pick:



1.0000 Each(s)/Unit

Shaft Sleeve

Pick

1 D32337

Qty Part Number

D3233-7

D32339 3.0





12.0000 Each(s) Comment: Qty.: 1.0000 Each(s)/Unit Total:

Tire & Rim Assembly

Pick:

Part Number Description D3233-9

Tire & Rim Assembly

NKI 3020 4.0



BEARING



24.0000 Each(s) 2.0000 Each(s)/Unit Total: Comment: Qty.:

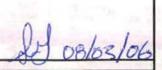
> Bearing Pick:

Qty 2 NKI 30/20

Part Number Description

Bearing & Inner Sleeve





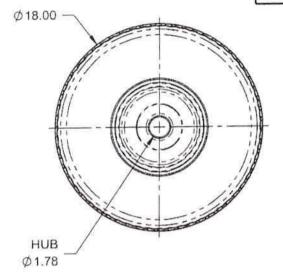
intolity, emuleum out to ("" Vale. Kim Johnston User: **Process Sheet** Drawing Name: WHEEL ASSEMBLY Customer: CU-DAR001 Dart Helicopters Services Part Number: D3233041 Job Number: 37638 Job Number: Description: Seq. #: Machine Or Operation: SHIM STOCK 004" Brass Shim Stock 5.0 48.0000 f(s) Total: Comment: Qty.: .004" Brass Shim Stock Pick: Batch Part Number Description Qty 35X45X7 Bearing Seal 6.0 2.0000 Each(s)/Unit Total: 24.0000 Each(s) Comment: Qty.: Bearing Seal Pick: Qty Part Number Description 35x45x7 Axel Seal or CR 35x45x7 HMS4 R LARGE FABRICATION RESOURCE 1 7.0 LARGE FAB Comment: LARGE FABRICATION RESOURCE 1 Press out bearings that are supplied with D3233-9 wheel and discard them. 🖊 Cut shims and assemble as per Dwg D3233 / Spray inside hub and bearing with LPS-3 & block hole with a clean dry rag for storage. INSPECT WORK TO CURRENT STEP 8.0 QC5 Comment: INSPECT WORK TO CURRENT STEP PACKAGING RESOURCE #1 PACKAGING 1 9.0 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: (STEVE FINAL INSPECTION/W/O RELEASE QC21 10.0 Comment: FINAL INSPECTION/W/O RELEASE 1 8.03.07 Job Completion

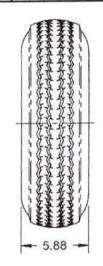
Page 2

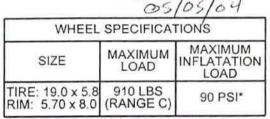
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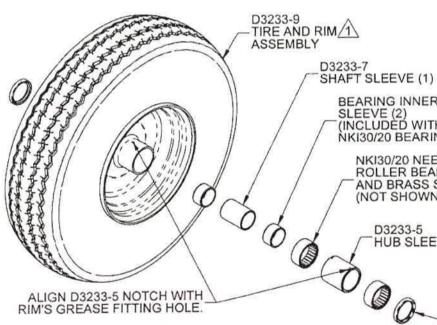
DESIGN	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECK	APPROVED	DRAWING NO. D3233	REV. B SHEET 1 OF 3
DATE	05.03.08	TITLE WHEEL ASSEMBLY	SCALE 1:1
Α	05.02.18	NEW ISSUE	
В	05.03.08	ADDED BEARING SEALS	







* MANUFATURER'S RECOMENDATIONS ARE 75 PSI FOR HIGH SPEED USE.



D3233-5 HUB SLEEVE (1)

ROLLER BEARING (2) (2) (3) AND BRASS SHIMS (8)

NKI30/20 NEEDLE

(NOT SHOWN)

BEARING INNER SLEEVE (2) (INCLUDED WITH NKI30/20 BEARING)

> BEARING SEAL WALBY P/N 35x45x7 OR CR 35x45x7 HMS4 R P/N 13927 (2 PLACES)

SHOP COPY RETURN TO

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SUBJECT TO AMENDMENT WITHOUT NOTICE

D3233-041 WHEEL ASSEMBLY

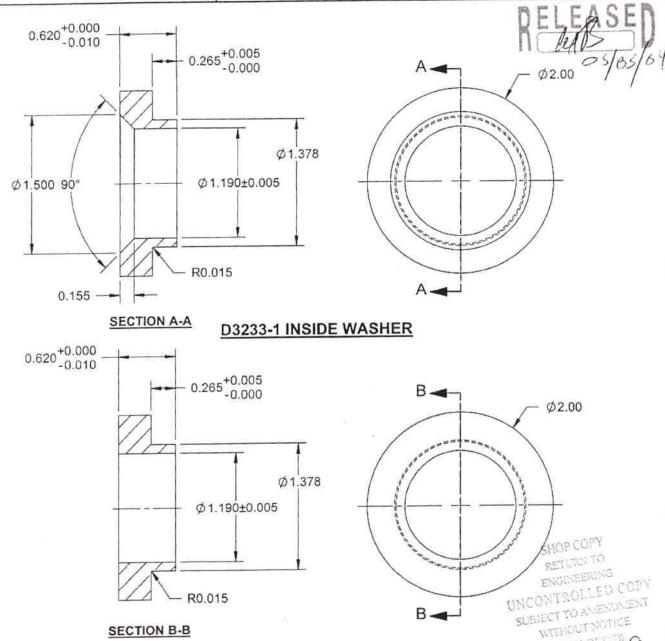
NOTES:

- 1) POSSIBLE SUPPLIER: McMASTER-CARR, P/N 8353T74 2) POSSIBLE SUPPLIER: GENERAL BEARING
- 3) PRESS FIT NEEDLE ROLLER BEARINGS INTO RIM HUB WITH
- (4) 0.5 X 0.75 X 0.004 BRASS SHIMS PER BEARING, (1) AT EACH QUADRANT.
- 4) POSSIBLE SUPPLIER: GENERAL BEARING 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) ALL DIMENSIONS ARE IN INCHES

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D3233-3 OUTSIDE WASHER

NOTES:

- 1) MATERIAL: AISI 1020-1025 ROUND TUBING PER MIL-T-5066 OR ASTM A513-00 MT1020 SRA OR AMS 5075 OR AMS 5077, COLD DRAWN, SEAMLESS (REF. DART SPEC. M1020TR)
 2) FINISH: POWDER COAT FIRE RED (REF. 4,3.5.10) PER DART QSI 005 4.3
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

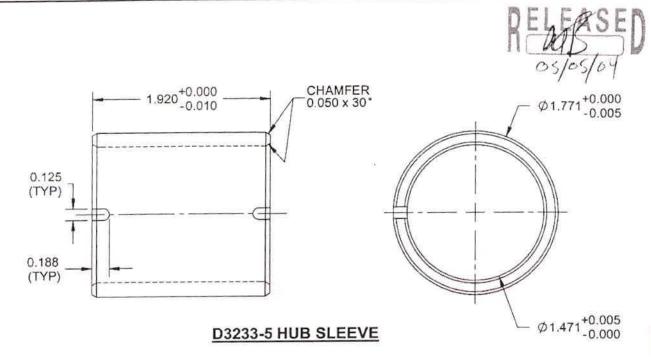
SECTION B-B

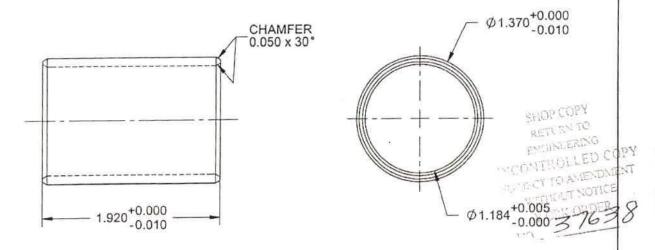
4) ALL DIMENSIONS ARE IN INCHES 5) BREAK ALL SHARP EDGES 0.005 TO 0.010

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DESIGN 3	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED	ABPROXED	DRAWING NO. D3233	REV. B SHEET 3 OF 3
05.03.08		TITLE WHEEL ASSEMBLY	SCALE 1:1





D3233-7 SHAFT SLEEVE

NOTES:

- 1) MATERIAL: AISI 1020-1025 ROUND TUBING PER MIL-T-5066 OR ASTM A513-00 1) MATERIAL: AISI 1020-1025 ROUND TUBING PER MIL-1-5006 OR ASTM A513-00 MT1020 SRA OR AMS 5075 OR AMS 5077, COLD DRAWN, SEAMLESS (REF. DART SPEC. M1020TR)
 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
 3) ALL DIMENSIONS ARE IN INCHES
 4) BREAK ALL SHARP EDGES 0.010 TO 0.030

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